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PTO/SB/18 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		<b>Attorney Docket No.</b> 309.035
		<b>First Named Inventor</b> John M. Wirtz et al.
		<b>Title</b> MODULAR CONTROL SYSTEM FOR AN AC MOTOR
		<b>Express Mail Label No.</b> EV313041228US

<b>APPLICATION ELEMENTS</b>  <i>See MPEP chapter 600 concerning utility patent application contents.</i>		<b>ADDRESS TO:</b> Mail Stop – Box Patent Application - Fee Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
<p>1. (X) Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. ( ) Applicant claims small entity status See 37 CFR 1.27</p> <p>3. (X) Specification [Total Pages 16] <i>(preferred arrangement set forth below, MPEP 1503.01)</i></p> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claims</li> <li>- Abstract of the Disclosure</li> </ul> <p>4. (x) Drawing(s) (35 U.S.C. 113) [Total Sheets 3]</p> <p>5. ( ) Oath or Declaration [Total Pages ____]</p> <ul style="list-style-type: none"> <li>a. ( ) Newly executed (original or copy)</li> <li>b. ( ) Copy from a prior application (37 CFR 1.63 (d)) <i>(for continuation/divisional with Box 16 completed)</i></li> </ul> <p>i. ( ) <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33 (b).</p> <p>6. ( ) Application Data Sheet. See 37 CFR 1.76</p> <p>7. ( ) CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p>		<p>8. ( ) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <ul style="list-style-type: none"> <li>a. ( ) Computer Readable Form (CRF)</li> <li>b. ( ) Specification Sequence Listing on:           <ul style="list-style-type: none"> <li>i. ( ) CD-ROM or CD-R (2 copies); or</li> <li>ii. ( ) paper</li> </ul> </li> <li>c. ( ) Statement verifying identity of above copies</li> </ul>
<b>ACCOMPANYING APPLICATION PARTS</b>		
<p>9. ( ) Assignment Papers (cover sheet &amp; document(s))</p> <p>10. ( ) 37 CFR 3.73(b) Statement ( ) Power of Attorney <i>(when there is an assignee)</i></p> <p>11. ( ) English Translation Document <i>(if applicable)</i></p> <p>12. ( ) Information Disclosure Statement (IDS)/PTO-1449 ( ) Copies of IDS Citations</p> <p>13. ( ) Preliminary Amendment</p> <p>14. (X) Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. ( ) Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. ( ) Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i) – Applicant must attach form PTO/SB/35 or its equivalent</p> <p>17. (X) Other: <u>Supplemental To Transmittal Letter</u></p>		

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

( ) Continuation ( ) Divisional ( ) Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		23598			or <input type="checkbox"/> Correspondence address below	
Name	Peter C. Stomma					
Address	250 E. Wisconsin Avenue Suite 1030					
City	Milwaukee	State	WI	Zip Code	53202	
Country		Telephone	(414) 225-9755			Fax (414) 225-9753
Name (Print/Type) Peter C. Stomma			Registration No. (Attorney/Agent) 36,020			
Signature 			Date 2/27/04			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Design, Washington, DC 20231.

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# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

 Applicant Claims small entity status See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 824.00)

## Complete if Known

Application Number	
Filing Date	
First Named Inventor	John M. Wirtz et al.
Examiner Name	
Group Art Unit	
Attorney Docket No.	309.035

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None

[ ] Applicant Claims small entity status See 37 CFR 1.27

 Deposit Account

Deposit Account Number	50-1170
Deposit Account Name	Boyle, Fredrickson, Newholm, Stein & Gratz S.C.

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
101 770	201 385	Utility filing fee	770
106 340	206 170	Design filing fee	
107 530	207 265	Plant filing fee	
108 770	208 385	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$ 770)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	23 -20** = 3 X 18 =	54	
Multiple Dependent	3 -3*** = 0 X 0 =	0	

## Large Entity | Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 86	202 43	Independent claims in excess of 3
104 290	204 145	Multiple dependent claim, if not paid
109 86	209 43	**Reissue independent claims over original patent
110 18	210 9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$54.00)

\*\* or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

## Large Entity | Small Entity

Fee	Fee	Fee	Fee	Fee Paid
105	130	205	65	Surcharge – late filing fee or oath
127	50	227	25	Surcharge – late provisional filing fee or cover sheet
139	130	139	130	Non-English specification
147	2,520	147	2,520	For filing a request for ex parte reexamination
112	920*	112	920*	Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for reply within first month
116	400	216	200	Extension for reply within second month
117	920	217	460	Extension for reply within third month
118	1,440	218	720	Extension for reply within fourth month
128	1,960	228	980	Extension for reply within fifth month
119	320	219	160	Notice of Appeal
120	320	220	160	Filing a brief in support of an appeal
121	280	221	140	Request for oral hearing
138	1,510	138	1,510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive – unavoidable
141	1,280	241	640	Petition to revive – unintentional
142	1,280	242	640	Utility issue fee (or reissue)
143	460	243	230	Design issue fee
144	620	244	310	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Processing fee under 37 CFR 1.17(q)
126	180	126	180	Submission of Information Disclosure Stmt
581	40	581	40	Recording each patent assignment per property (times number of properties)
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))
179	740	279	370	Request for Continued Examination (RCE)
169	900	169	900	Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

Complete if applicable

SUBMITTED BY	Name (Print/Type)	Peter C. Stomma	Registration No. (Attorney/Agent)	36,020	Telephone	414.225.9755
Signature					Date	February 27, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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## **Certification Under 37 CFR 1.10**

**Express Mail Label No: EV313041228US**

**Date of Deposit: February 27, 2004**

I hereby certify that this paper and/or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop - Patent Application - Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Christine Kierzek  
Christine Kierzek

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Of: )  
MICHAEL E. WIRTZ ET AL. )  
Filed Herewith )  
MODULAR CONTROL SYSTEM FOR )  
AN AC MOTOR )

**SUPPLEMENT TO TRANSMITTAL LETTER**

MAIL STOP - PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This application is being filed pursuant to 37 CFR 1.53(b) and (d). The application includes the specification, at least one claim, the drawings, and the filing fee. The inventors are:

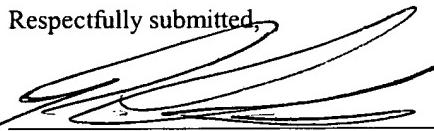
John M. Wirtz 5 Ludgate Lane Arden, NC 28704	Paul J. Siebenlist 1169 Mayfield Road Hartford, WI 53027	James E. Armes 1351 25 <sup>th</sup> Avenue Kenosha, WI 53140	Rick E. Schnur N40 W27780 Glacier Road Pewaukee, WI 53072
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The oath or declaration of the applicants is not included. The declaration will be forwarded promptly upon notification from the U.S. Patent and Trademark Office.

Please address all correspondence and telephone calls to:

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Respectfully submitted,  
  
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Docket No.: 309.035